

14421 Catalina St,  
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<http://ccretetech.com>

## **Multiple Openings for Civil Engineers**

C-Crete Technologies is an invention and technology development company building and commercializing technological paradigm shifts of the future in energy, environment, materials, construction and industrial. C-Crete works at the intersection of building materials, nanotechnology, predictive analytics and manufacturing to drive next generation of innovations for a low carbon and energy efficient world.

C-Crete is looking for Civil Engineers who will play key roles in manufacturing novel sustainable cementitious materials via CO<sub>2</sub> mineralization and waste-to-product strategies across C-Crete's project portfolio. The Civil Engineer will work on technical, managerial, and entrepreneurial aspects of C-Crete's new building products and help take our company through the next level of growth. The position is for full-time employees who will work in a highly inter-disciplinary and dynamic environment. The candidates must have a do-whatever-it-takes attitude and must be able to manage workload on multiple projects while maintaining high quality and productivity.

### **Job Duties and Responsibilities**

- Own and manage the entire building product/system design process including concept, simulation, prototyping, testing, releasing and production at bench, pilot, and commercial scale
- Design, build, and maintain in-house equipment and setups involving Civil/Mechanical disciplines
- Develop, work with and manage outside vendor and partner relationships
- Collect and analyze test data and prepare reports explaining the results
- Assist in writing update reports for existing projects and initiating new areas of R&D
- Perform deep-dive technical competitive analysis for various technology platforms
- Develop innovative concepts and deliver Intellectual Properties

### **Minimum REQUIRED Knowledge, Skills, and Abilities**

- BS, MS, or PhD in Civil/Mechanical/Structural Engineering, or a related discipline
- Deep experience with early stage building product development process, including generating requirements, concept down-select, detail design, verification and production
- Technical knowledge on conventional and emerging cementitious materials and concrete, their preparations and various standard testing
- Excellent organizational, multitasking, communication, and presentation skills
- Highly motivated and a self-starter with no direct supervision for daily operations
- Strong hands-on and quantitative skills with ability to use data and metrics for making decisions

### **Preferred Qualifications**

- Previous experience in design, manufacturing and operation of cementitious materials
- Prior experience in CO<sub>2</sub> mineralization in cementitious materials or waste to value-added products.
- Prior hands on experience as lab technician, R&D Engineer or a similar role responsible for preparation of cementitious materials, mix design, and standard testing
- Proven record of patents and / or peer-reviewed publications

### **Required Work Authorization**

Candidates must be eligible to work in the US.

### **How to apply**

Please email your resume, cover letter, and contact information of three references to [info@ccretetech.com](mailto:info@ccretetech.com).